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OPDX Bulletin 1569 July 4. 2022

The Ohio/Penn Dx PacketCluster
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Provided by BARF80.ORG (Cleveland, Ohio)
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ssociation, Ohio/Penn PacketCluster Network, the AB5K's AR Cluster Networks, NJ1Q & W1AW, WB2REM, NG3K & ADXO, W3UR & The Daily DX, W4VQ, K5GS, K8YSE, W8GEX & 60m DX News, DL1SBF, DL7UXG & The DX News Letter, DXNews.com, DX-World.Net, F6AJA & Les Nouvelles DX, I1JQJ/IK1ADH & 425 DX News, IK1TTD, Sixitalia Weekly, and VA3RJ & ICPO for the following DX information.

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        "Celebrating 31 years (March 1991) of FREE DX News"
                    "Could this be the final year???"
        ..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick 10
          ..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick 9
            ..Tick..Tick..Tick..Tick..Tick..Tick..Tick..Tick 8
              ..Tick..Tick..Tick..Tick..Tick..Tick..Tick 7
                ..Tick..Tick..Tick..Tick..Tick..Tick 6
                  ..Tick..Tick..Tick..Tick..Tick 5
                    ..Tick..Tick..Tick
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DXCC COUNTRY/ENTITY REPORT: According to the AR-Cluster Network for the week of Sunday, 26th/June, through Sunday, 3rd/July there were 207 countries active. Countries available: 3A, 3B8, 3B9, 3D2, 3DA, 3V, 3W, 3X, 4J, 4L, 4O, 4S, 4U1I, 4U1U, 4X, 5A, 5B, 5R, 5W, 5X, 5Z, 6Y, 7O, 7P, 7Q, 7X, 8P, 8Q, 9A, 9G, 9H, 9J, 9K, 9M2, 9M6, 9N, 9Q, 9V, 9Y, A2, A4, A5, A6, A7, A9, AP, BV, BY, C3, C6, C9, CE, CE9, CM, CN, CP, CT, CT3, CU, CX, D2, D4, DL, DU, E5/n, E5/s, E7, EA, EA6, EA8, EA9, EI, EK, EL, EP, ER, ES, EU, EX, F, FG, FK, FM, FO, FP, FR, FS, FW, FY, G, GD, GI, GJ, GM, GU, GW, HA, HB, HB0, HC, HH, HI, HK, HL, HP, HR, HS, HZ, I, IS, J2, JA, JD/o, JT, JW, JX, JY, K, KH2, KH6, KL, KP2, KP4, LA, LU, LX, LY, LZ, OA, OD, OE, OH, OH0, OJ0, OK, OM, ON, OX, OY, OZ, P2, P4, PA, PJ2, PJ4, PJ7, PY, PZ, S0, S5, S7, SM, SP, ST, SU, SV, SV5, SV9, T5, T7, T8, TA, TF, TG, TI, TK, TR, UA, UA2, UA9, UK, UN, UR, V2, V3, V4, V5, V7, V8, VE, VK, VP2E, VP2M, VP8, VP9, VR, VU, XE, XX9, XZ, YA, YB, YL, YO, YS, YU, YV, Z2, Z3, Z6, ZA, ZB, ZD7, ZF, ZL, ZP, ZS

* PLEASE NOTE: The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later".

13 COLONIES (Special Event). Once again the annual (the 14th) "13 Colonies Special Event" will take place between 1300z, July 1st and 0400z July 8th. New since 2015, the 13 Colonies have added another new French sister event station. The new bonus station is TM13COL from France (ops. Didier/F5OGL, Alain/F6FET, Alain/F5RMK and Didier/F5MNH). Also, the other foreign bonus station GB13COL will operate from Durham, England. The third bonus station is WM3PEN, and the 13 Colonies certificate will have a Liberty Bell added to it for a contact with this station. There should be at least two stations

from each of the 13 colonies on the air, as well as Super contest stations, multi-operator Club stations and OM and XYL teams. The U.S. original 13 colonies are CT-DE-GA-MA-MD-NC-NH-NJ-NY-PA-RI-SC-VA. The special events stations mentioned are: K2A (NY), K2B (VA), K2C (RI), K2D (CT), K2E (DE), K2F (MD), K2G (GA), K2H (MA), K2I (NJ), K2J (NC), K2K (NH), K2L (SC), and K2M (PA). All HF bands will be in play including the WARC bands with the exception of 60 meters. 2 meters and 6 meter simplex are encouraged. All modes of operation should be represented - SSB, CW, RTTY, Digital, and the Satellites. The mode of operation is up to the individual colony state station.

The theme this year is the "Land Battles of the Revolution". The certificate is adorned with a great battle! The certificate is printed on heavy card stock. Stations working one state or as many as all 16, will be eligible for the certificate. A "Clean Sweep" indicator will be affixed for those lucky enough to work all 16. A special endorsement will be attached for stations contacting their sister operation, WM3PEN, in Philadelphia, PA, where independence was declared. All certificate requests go to KU2US and QSL card requests to each state's QSL Manager.

For more details on the stations, suggested frequencies, QSL info and how to obtain the special certificate, see: http://www.13colonies.us
Also, check out their FaceBook page:
https://www.facebook.com/groups/13colonies
All Short Wave Listeners (SWL), you can also qualify for the certificate.

3A, MONACO (Reminder/Update). Operators Paul/F6EXV and Flo/PB8DX will be active as 3A/F6EXV and 3A/PB8DX, respectively, from Monaco between July 7-17th. Also, look for special activity on 6 meters as 3A6M, thanks for some help by local members of Association of Radio Amateurs from Monaco (ARM). Paul states, "QSL 3A/F6EXV, 3A/PB8DX and 3A6M via F6EXV on ClubLog. Please do not send your card, only use ClubLog. QSL via ClubLog for direct or Bureau. LoTW will be uploaded in full 6 months after the operation."

3Y0J BOUVET ISLAND DXPEDITION NEWS (Updates). Co-Leaders Ken/LA7GIA and Erwann/LB1QI, provide the following updates:

* June 29th - We have now received a full pallet of freeze dried food from the Norwegian company Drytech. Drytech is located in Tromsø, only 130 km from the North Pole's and this company has found the perfect way to freeze dry the ingredients and managed to develop their own gentle method that retains the unique taste and consistency of the ingredients.

  These hot meals using boiled water are very popular in Norway and for a good reason: they do the job!

  From the french Adventurers Vincent Colliard and Norwegian explorer Børge Ousland - with their Icelegacy project - crossing 20 of the largest icecaps on earth to Johan Skullman an ex-Swedish armed forces, responsible for the very important part of combat performance in developing soldiers equipment, experts support Drytech meals.

  The company is also really engaged in reducing their footprint on the environment. Focusing on packing, the bag itself should ensure that it retains the taste and consistency of the meal for many years. Long shelf life reduces food waste!

  Check they website for more information: https://realoutdoorfood.com/
  On FaceBook: https://www.facebook.com/drytech.no

  73s! 3Y0J Team
* Thanks to Greater Milwaukee DX Association for doubling their donation! Today we have paid the 2nd vessel deposit to Marama! The team is fully committed to go to Bouvet and activate this rare #2 DXCC. In 2 months time we ship the container and in 6 months we depart for Bouvet.

  73, 3Y0J

5X, UGANDA. YL Elvira, IV3FSG, is once again active as 5X3R from Uganda until July 13th. Usually, activity will be limited to her spare time on 80-10 meters using SSB, RTTY and PSK31. She is there working on a project for the Informatici Senza Frontiere ONLUS. She is looking for some financial support. QSL via IK2DUW, direct, by the Bureau, ClubLog

and LoTW.

7Q, MALAWI. Members of the Russian DXpedition Team (RDXT), who were recently active as Z21RU from Zimbabwe, are once again be active from Malawi, but as 7Q5RU (not 7Q7RU like last time) from Embangweni Mission Hospital until July 10th. Operators mentioned are Vasily/R7AL, Leo/RW9JZ and Vasily/RA1ZZ. Activity should be on 160-6 meters and QO-100 using CW, SSB and the Digital. QSL via R7AL, ClubLog or LoTW.

CO9, CUBA (Special Event). Operators Bladimir/CO6BM, Jose/CO6EC, Ernes/CO6ID, Delvys/CO6SRS, Enrique/CO6VO and CL6AFL will be active as CO9GNN from Santa Clara City, Cuba (NA-015), between July 15-16th, to commemorate 333rd anniversary of the founding of Santa Clara City. Activity will be on 160/80/40/20/15/10/2 meters using SSB and the Digital modes. If you do not have an E-mail on QRZ.com, please send an E-mail to the following address in order to send you the QSL. A Digital Diplomas will be available by sending an E-mail to: ernestoco6id@gmail.com

D2, ANGOLA. Mikalai, UT6UY, is now active as D2UY Cabinda, Angola. The length of his stay is not known. Activity has been mainly on 20-6 meters using FT8. QSL via his home callsign.

D4, CAPE VERDE (HF/Satellite Op). Harald, DF2WO, will once again be active as D44TWO from Praia, Santiago Island (AF-005), sometime in September (dates TBD). Activity will be holiday style on 160-6 meters using CW, SSB and the Digital modes. He states that he works mostly on the Digital modes (FT8, PSK31, JT65 and RTTY) and slow CW. He will be using an Icom 7300, 2 Transverters with 3 watts output on ES-Hail using the QO-100 Geostationary Satellite. He will also have a FT-450D into a homemade HEX BEAM and a dipole for 40 meters. QSL via M0OXO (OQRS available).

DX0, SPRATLY ISLANDS. Gilbert "Gil", 4F2KWT, has been issued the callsign DX0NE on June 22nd from the "Republic of the Philippines National Telecommunications Commission." The special callsign will be used during an operation from Kalayaan Spratly Island sometime between August 1st and December 31st, 2022. Specific dates have not been announced yet, but activity will be for one month. Reports indicate that there will be a four man team which includes Gil/4F2KWT, Ed/4F1OZ, Jong/DU3JA and Mike/DU1XX (AE6DG). Activity will be on 160-6 meters using CW, SSB, FT8. QSL via 4F2KWT, ClubLog or LoTW.

DXCC'S MOST WANTED (ClubLog). The "DXCC Most Wanted" entities list has been updated on ClubLog as of June 28th. The list contains 340 entities. The following are the top 26 entities:

1. P5 DPRK (North Korea)
2. 3Y/B Bouvet Island
3. FT5/W Crozet Island
4. BS7H Scarborough Reef
5. CE0X San Felix Islands
6. BV9P Pratas Island
7. KH7K Kure Island
8. KH3 Johnston Island
9. 3Y/P Peter 1 Island
10. FT5/X Kerguelen Island
11. FT/G Glorioso Island
12. VK0M Macquarie Island
13. YV0 Aves Island
14. KH4 Midway Island
15. ZS8 Prince Edward & Marion Islands
16. PY0S Saint Peter and Paul Rocks
17. PY0T Trindade & Martim Vaz Islands
18. KP5 Desecheo Island
19. VP8S South Sandwich Islands
20. KH5 Palmyra & Jarvis Islands
21. ZL9 New Zealand Subantarctic Islands
22. FK/C Chesterfield Island
23. EZ Turkmenistan
24. YK Syria
25. VK0H Heard Island
26. JD/M Minami Torishima

There have been two changes in the "Top 26" since we last reported back on May 2nd. Heard Island (VK0H) and Minami Torishima (JD/M) have switched places. The complete "DXCC Most Wanted" entities list (340) is available at: https://secure.clublog.org/mostwanted.php

EDITOR IS LOOKING FOR A REPLACEMENT MICROPHONE FOR A FT-100D. Your editor is still looking for a MH-36B microphone (or a suggested replacement) for a Yaesu FT-100D rig. You can E-mail me at: kb8nw@hotmail.com

FT8DMC ANNIVERSARY ACTIVITY WEEKS 2022. To commemorate the 5th anniversary, 32 special event stations (as of press time) will be on air during the "FT8DMC Activity Days" between July 4-17th. All stations will bear the FTDMC or FTDM suffix, referring to the anniversary of the "FT8 Digital Mode Club". Special QSL-cards will confirm all QSOs and all logs will be uploaded to LoTW and eQSL.

The following stations are expected (some may not) to be active:

8B0FTDM (Indonesia; Operators are YB0BTA, YB0MZI, YB0SAS, YB0WYN, YC0HLE, YC0NDB, YC0RXA, YC0SPO, YC0SCL, YD0BEG and YD0RTA; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B1FTDM (Indonesia; Operators are YB1AM, YB1BD, YB1BML, YB1BX, YB1GBN, YB1GIP, YB1HDR, YB1JQC, YB1JUS, YB1MAE, YB1MBA, YB1MIG, YB1NIN, YB1PEF, YB1RKT, YB1RQX, YB1RUS, YB1SKR, YB1TDL, YB1TQL, YB1VHC, YB1WCK, YB1XST, YC1APO, YC1AUI, YC1AWT, YC1CKK, YC1JGE, YC1JNV, YC1JXU, YC1JZK, YC1LJT, YC1OHE, YC1PZ, YC1RGF, YC1RQZ, YC1WEU, YC1XBE, YD1RDH, YD1RZD, YD1SFC, YD1SJZ, YE1AR, YE1GD, YG1AEQ and YG1AFR; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B2FTDM (Indonesia; Operators are YB2AYA, YB2HML, YB2CRN, YB2MM, YB2RT, YB2SLF, YB2TDP, YC2CAB, YC2JOO, YC2KDU, YC2LCZ, YC2UCZ, YC2YWF, YC2XCD, YD2UFR and YD2ULK; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B3FTDM (Indonesia; Operators are YB3ATK, YB3BBF, YB3EDD, YB3VES, YC3ERZ, YC3FQW, YC3TSJ, YD3CER, YD3TVV, YE3ESW and YF3BVD; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B4FTDM (Indonesia; Operators are YB4AEL, YB4AFL, YB4AS, YB4CHP, YB4DCE, YB4FZK, YB4GBT, YB4HKR, YB4HPI, YB4KAR, YB4LVF, YC4AOK, YC4FET, YC4GAS, YC4GBF, YC4GWY, YC4PSB, YC4RWH, YC4SIO, YD4GMC, YD4SJP, YE4KIE, YE4LWU and YG4KID; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B5FTDM (Indonesia; Operators are YB5FIR, YB5HPT, YB5IN, YB5MB, YB5NDR, YB5QZ, YB5WIR, YC5ACD, YC5AKH, YC5AKO, YC5AOU, YC5NOU, YC5NBY, YC5NCB, YC5NDH, YC5SD, YC5SLA, YC5TEB, YC5YBZ, YC5YDD, YD5AKV and YD5APT; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B6FTDM (Indonesia; Operators are YB6ABO, YB6BAP, YB6DE, YB6ESO, YB6HAI, YB6IVW, YB6PEN, YB6RMT, YB6UAF, YB6UAK, YB6VK, YC6BTI, YC6HPE, YC6IOV, YC6LHG, YD6ACB. YD6HLG, YD6HNL. YD6HRI, YD6HSK, YD6HVD, YD6HVF and YD6ROA; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B7FTDM (Indonesia; Operators are YB7BOB, YB7CCP, YB7DGI, YB7FPQ, YB7GRN, YB7OO, YB7UTO, YB7WBC, YC7DDG, YC7EVA, YC7GTQ, YC7HPF, YC7HYK, YC7UQU, YC7VAD, YC7YDB, YC7YGR, YD7AAE and YD7AGI; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B8FTDM (Indonesia; Operators are YB8AO, YB8MOB, YB8OBM, YB8RRN, YB8RVI, YB8RW, YB8UTI, YB8VK, YC8CGK, YC8EJ, YC8FEE, YC8FKN, YC8MJG, YC8MUZ, YC8RAG, YC8SBD, YC8SGY, YD8DYX, YD8FLF and YE8RB; QSL via N2OO direct, ClubLog, eQSL or LoTW)

8B9FTDM (Indonesia; Operators are YB9AOS, YB9DE, YB9GDP, YB9MX, YB9UA, YB9VIZ, YC9CT, YC9FZ, YC9UBG, YD9MBM, YD9VE, YE9PBZ, YG9EPK and YG9WKB; QSL via N2OO direct, ClubLog, eQSL or LoTW)

A91FTDMC (Bahrain; Operators are A92AA, A92AB, A92EE and A93LY; QSL via EC6DX)

CW8FTDM (Uruguay; Operator is CX8ABF; QSL via eQSL and LoTW)

CX7FTDM (Uruguay; Operator is CX7SS; QSL via eQSL and LoTW)

DQ8FTDMC (Germany; Operator is DM2RM; QSL via DM2RM)

GB0DMC (Wales; Operator MW0USK, QSL via DJ6OI)

HZ8FTDMC (Saudi Arabia; Operators SARS, QSL via SARS)

II2FTDM (Italy; Operator IK2EKO, QSL via IK2EKO, direct, eQSL or LoTW)

II8FTDM (Italy; Operator IK8YFU, QSL via IK8YFU, eQSL or LoTW)

LR8FTDMC (Argentina; Operators are LU3PI, LW5DR, LW2EIY, LU6MAL and LU1DLA; QSL via F1ULQ)

LX8FTDM (Luxembourg; Op(s) ???; QSL via LX1TI, by the Bureau or LoTW)

OE0FTDMC (Austria; Operators is OE6VIE; QSL via OE6VIE)

OE05FTDMC (Austria; Operators is OE1SGU; QSL via OE1SGU, eQSL or LoTW)

OZ8FTDM (Denmark; Op(s) ???; QSL via eQSL or LoTW)

TM5FTDM (France; Operator is F4FRC; QSL via F4FRC)

TM8FTDM (France; Operators are F1BOW, F1ULQ, F4EED, F4ESV, F4GDI, F5LVR, F5ONL and F5PPG; QSL via F1ULQ)

TO8FTDM (Guadeloupe; Op(s)???; QSL via F1ULQ)
VC3FTDMC (Canada; Operator is VE3MZD; QSL via LoTW or OQRS)
YQ6FTDMC (Romania; Operators is YO6FPW; QSL via eQSL, ClubLog or LoTW)
Z3FTDMC (North Macedonia; Operators are Z33YL, Z35Z and Z36W; QSL via OE6VIE, eQSL, OQRS or LoTW)
ZL6FTDMC (New Zealand; Operator is ZL1MVL; QSL via F1ULQ)
ZW8FTDMC (Brazil; QSL via PP2CS, BUREAU/LoTW/DIRECT/eQsl/ClubLog)
ZY2FTDMC (Brazil; Operator is PP2CS; QSL via PP2CS, Bureau, direct, eQSL, LoTW or ClubLog)

An FTDMC Anniversary Award can be earned by working the FTDMC and FTDM stations and collecting points applicable for various award classes:
Bronze: 15 QSOs with at least 10 different special 'FTDMC/FTDM' stations
Silver: 20 QSOs with at least 15 different special 'FTDMC/FTDM' stations
Gold: 25 QSOs with at least 20 different special 'FTDMC/FTDM' stations
Platinum: 35 QSO's with 25 different special 'FTDMC/FTDM' stations
Honor Roll: 45 QSO's with ALL 'FTDMC/FTDM' stations

For more details, see the FT8DMC Web page at: https://www.ft8dmc.eu

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GB22, UK (SPECIAL EVENT) ENTITES. Look for the following special event stations to be active between July 25th and August 21st (which include 7 DXCC entities) to mark the XXII Commonwealth Games (July 28th and August 8th):

GB22GD -- Isle of Man	GB22GM -- Scotland
GB22GE -- England	GB22GU -- Guernsey
GB22GI -- Northern Ireland	GB22GW -- Wales
GB22GJ -- Jersey	GB22HQ -- National Exhibition Centre, in Birmingham,

QSL all callsigns via M0OXO's OQRS or LoTW. Also, a special awards is available for working the above callsigns. For details, see:
https://rsgb.org/main/commonwealth-games/awards

HD8, GALAPAGOS ISLANDS (Update). The HD8M team who was expected to be active from Santa Cruz Island (SA-004) between March 1-11th, has now announced that their operation will take place between March 1-11th, 2023. Operators mentioned are Bob/KE2D, John/K4LT, Jim/WB2REM and Chris/VO1IDX. Activity will be on 160-6 meters using CW, SSB and FT8(F/H)/FT4. Suggested frequencies are listed on their Web page below. The team will also be participating in the ARRL International DX SSB Contest (March 5-6th, 2023). QSL via WB2REM direct, ClubLog's OQRS for direct, LoTW and Bureau QSLs. All other requests will be uploaded to LoTW 6 months after expedition. Bureau QSLs will only be accepted via the OQRS. DO NOT SEND QSL CARDS TO THE BUREAU!! For more details and updates, visit their Web site at: http://www.hd8m.com

IOTA NEWS. The following are IOTA operations that were active this past week between June 27th-July 2nd (as per the DXCluster):

IOTA	Callsign	Island/GROUP	Bands/Modes
AF-004	EA8DME	CANARY	20m; FT8
AF-004	EA8UU	CANARY	20m; FT4
AF-014	CT3HU	MADEIRA	15m; FT8
AF-014	CT3MD	MADEIRA	20m; SSB
AF-018	IH9YMC	PANTELLERIA	15m; CW
AF-049	3B8BAP	MAURITIUS	15m; FT8
AN-005	VK0WN	Macquarie	20m; SSB
AN-016	LU1ZD	Barry	20m; SSB
AS-003	4S7AB	SRI LANKA	20m; SSB
AS-004	5B4AIF	Cyprus	20m; SSB
AS-007	JA0HFG	HONSHU	15m; FT8
AS-007	JA0WJA	HONSHU	20m; FT8
AS-007	JA1HOX	HONSHU	20m; FT8
AS-007	JA1ODC	HONSHU	20m; FT8
AS-007	JA7HRM	HONSHU	15m; FT8
AS-007	JA7UKM	HONSHU	40m; FT8

AS-007	JA9GEW	HONSHU	15m; FT8
AS-007	JE1YEM	HONSHU	17m; FT8
AS-007	JH1FXB	HONSHU	15m; FT8
AS-007	JH2BJL	HONSHU	17m; FT8
AS-007	JH3CUL	HONSHU	15m; FT8
AS-007	JH3IIR	HONSHU	15m; FT8
AS-007	JR2BYJ	HONSHU	17m; FT8
AS-013	8Q7PR	Maldives	40/15m; FT8
AS-015	9M2TO	PINANG STATE	40m; FT8
AS-018	RM0F	Sakhalin	40m; FT8
AS-019	9V1SH	SINGAPORE	15m; FT8
AS-076	JA5BDZ	SHIKOKU	17m; FT8
AS-076	JH5BKC	SHIKOKU	15m; FT8
AS-076	JE5HDA	SHIKOKU	17m; FT8
AS-077	JA6CBG	KYUSHU	15m; FT8
AS-077	JA6EXO	KYUSHU	20m; FT8
AS-078	JA1LLN	HOKKAIDO	17m; CW
AS-078	JA8AGX	HOKKAIDO	20m; SSB
AS-147	JH7IPR/p	HOKKAIDO'S COASTAL	17m; SSB
AS-200	JJ5RBH	SHODO	20m; CW
EU-001	SV5/SV2MAC	DODECANESE	20m; SSB
EU-001	SV5CJQ	DODECANESE	20m; CW
EU-003	CR8ACL	EASTERN	20m; SSB
EU-004	EA6JI	BALEARIC	20m; FT8
EU-005	G0DBE	GREAT BRITAIN	20m; FT4
EU-005	G0PHP	GREAT BRITAIN	17m; FT8
EU-005	G1OCN	GREAT BRITAIN	20m; FT4
EU-005	GB5TP	GREAT BRITAIN	17m; FT8
EU-005	GB70W	GREAT BRITAIN	20m; CW
EU-005	GQ0KUC	GREAT BRITAIN	17m; CW
EU-005	GQ4FFF	GREAT BRITAIN	17m; FT8
EU-005	GQ4NBS	GREAT BRITAIN	20m; FT8
EU-005	M0MJA/p	GREAT BRITAIN	40m; SSB
EU-005	M5ICL	GREAT BRITAIN	17m; FT8
EU-005	MQ0DFV	GREAT BRITAIN	30m; FT8
EU-005	MQ0DGR	GREAT BRITAIN	15m; FT8
EU-005	MQ0EPC	GREAT BRITAIN	20m; FT8
EU-005	MQ0HVU	GREAT BRITAIN	15m; FT8
EU-005	MQ0USK	GREAT BRITAIN	30m; FT8
EU-013	GB70J	JERSEY	40m; SSB
EU-016	9A/S69SV	DALMATIA SOUTH	20m; FT8
EU-016	9A3VM	DALMATIA SOUTH	15m; CW
EU-018	OY1CT	FAROE	10m; CW
EU-020	SA1LOR	GOTLAND COUNTY	20m; FT8
EU-021	TF3PPN	ICELAND	20m; FT8
EU-023	9H1FF	MALTA	17m; FT8
EU-025	II9WRTC	Sicily	20m; CW
EU-025	IT9ZVL	Sicily	20m; SSB
EU-028	IA5/IK1MNF	TOSCANA (TUSCANY) REGION	40/20m; SSB
EU-029	OV1CDX	SJAELLAND	20m; CW
EU-029	OZ/DL2JRM	Skaloe	40m; CW
EU-029	OZ1RH	SJAELLAND	15m; FT8
EU-029	OZ5DX	SJAELLAND	20m; CW
EU-030	OZ9FF	Bornholm	15m; FT8
EU-031	IC8HRG	CAMPANIA REGION	20m; SSB
EU-053	OJ0JR	Market Reef	15m; FT8
EU-115	EI3IUB	IRELAND	20m; FT8
EU-115	GB70I	IRELAND	20m; SSB
EU-115	GI4SZW	IRELAND	30m; FT8
EU-116	GD70D	ISLE OF MAN	40m; CW
EU-117	UA1ATD/P	GULF OF FINLAND SOUTH	20m; CW
EU-123	GM4PVM	SCOTTISH COASTAL	40/30/20/17/15m; CW
EU-125	5P8VW	JYLLAND WEST	40/17/15m; SSB/FT8
EU-125	OZ/DL9LBR	JYLLAND WEST	40/20m; CW
EU-129	DH1DX/p	USEDOM	20m; SSB
EU-129	DL1640Y	USEDOM	40m; CW
EU-131	IK3PQH	VENETO REGION	40/20/15m; SSB/FT8/FT4

EU-142	EB1BWG	OVIEDO/SANTANDER PROVINCE	20m; FT8
EU-172	OZ/DL2JRM	JYLLAND EAST AND FYN	40/30/20m; CW
EU-172	OZ7PR/p	JYLLAND EAST AND FYN	40m; SSB
EU-175	CU5AM	CENTRAL	15m; FT8
EU-175	CU6AD	CENTRAL	15m; FT8
EU-175	CU6AD	CENTRAL	40m; FT8
NA-015	CO7HNS	CUBA	20m; FT8
NA-015	CO9BIA	CUBA	20m; FT8
NA-016	ZF2OO	CAYMAN	30m; FT8
NA-022	VP2EIH	ANGUILLA	20/17m; FT8
NA-026	N2XPM	NEW YORK STATE	30m; FT8
NA-029	VY2DS	PRINCE EDWARD	40m; SSB
NA-058	KF4TV	GEORGIA STATE	20m; FT8
NA-058	WI4R	GEORGIA STATE	40m; FT8
NA-059	NL8F	FOX	20m; FT8
NA-083	N4NTO	VIRGINIA STATE	20m; FT8
NA-096	HH2JA	HISPANIOLA	17m; SSB
NA-096	HI3A	HISPANIOLA	20m; FT8
NA-096	HI8DL	HISPANIOLA	20m; SSB
NA-096	HI8POTA	HISPANIOLA	20m; SSB
NA-099	KP4HF	PUERTO RICO	15m; FT8
NA-099	NP3XF	PUERTO RICO	20m; FT8
NA-099	NP4TX	PUERTO RICO	30m; FT8
NA-099	WP4J	PUERTO RICO	15m; FT8
NA-099	WP4O	PUERTO RICO	30m; FT8
NA-099	WP4U	PUERTO RICO	40m; FT8
NA-102	FG1AG	GUADELOUPE	17m; FT8
NA-104	V44MH	ST KITTS AND NEVIS	17m; SSB
NA-106	KP2B	VIRGIN	20/17m; FT8
NA-137	K0EZE	MAINE STATE WEST (YORK TO KNOX COUNTY)	10m; FT8
NA-139	AC3EK	MARYLAND STATE EAST	20m; FT8
OC-001	VK2BC	Australia	20m; FT8
OC-001	VK3AUX	Australia	20m; FT8
OC-001	VK3EJS	Australia	20m; FT8
OC-001	VK3PF	Australia	80/40/20m; SSB
OC-001	VK3TKK	Australia	40m; SSB
OC-001	VK4ATT	Australia	40m; SSB
OC-001	VK5GR	Australia	20m; SSB
OC-001	VK5NG	Australia	20m; SSB
OC-001	VK6IA	Australia	20m; SSB
OC-006	VK7XX	Tasmania	17m; FT8
OC-019	AH6KO	HAWAIIAN	20m; CW
OC-019	K2GT	HAWAIIAN	17m; FT8
OC-019	KH6Cjj	HAWAIIAN	15m; CW
OC-021	YB0SSF	JAVA	17m; FT8
OC-021	YB1PAG	JAVA	17m; FT8
OC-021	YC0UCS	JAVA	20m; FT8
OC-021	YE1BHR	JAVA	17m; FT8
OC-021	YF1AIZ	JAVA	20m; FT8
OC-026	KG6JDX	Guam	40m; FT8
OC-026	KH2AA	Guam	15m; FT8
OC-028	V73MS	RALIK CHAIN	12m; FT8
OC-032	FK8CE	NEW CALEDONIA	20m; FT8
OC-032	FK8FI	NEW CALEDONIA	40m; FT8
OC-032	FK8GX	NEW CALEDONIA	17m; FT8
OC-054	FW1JG	WALLIS	20/15m; CW/SSB
OC-067	FO5SK	LEEWARD	20m; SSB
OC-088	9M6KOM/m	BORNEO	20m; SSB
OC-088	V85A	BORNEO	20m; SSB
OC-088	YB7BOB	BORNEO	15m; FT8
OC-088	YD7OJS	BORNEO	15m; FT8
OC-134	ZL3CHE	SOUTH	17m; SSB
OC-134	ZL3NB	SOUTH	30m; FT8
OC-134	ZL3PAH	SOUTH	20m; CW
OC-134	ZL3XDJ	SOUTH	40m; CW
OC-139	VK5AVB	Kangaroo	20m; SSB
OC-143	YC5ACD	SUMATRA	20m; FT8

OC-143	YC5AOK	SUMATRA	20m; FT8
OC-143	YC5NBY	SUMATRA	20m; FT8
OC-143	YC5YZ	SUMATRA	15m; FT8
OC-143	YE6YE	SUMATRA	20m; FT8
OC-146	YB8RRN	CELEBES	40m; FT8
OC-146	YB8SCP	CELEBES	20m; FT8/FT4
OC-146	YC8GPH	CELEBES	20m; FT8
OC-150	YC9JQZ	Lombok	20m; FT8
OC-247	YB8BNZ/p	Supuka Besar	15m; FT8
OC-247	YB8HZ/p	Supuka Besar	20/15m; CW
OC-247	YC8AQY/P	Supuka Besar	15m; SSB
OC-247	YC8BNZ/P	Supuka Besar	15m; FT8
OC-247	YC8ES/p	Supuka Besar	15m; SSB
SA-002	VP8LP	FALKLAND	20/15m; FT8
SA-006	PJ4EL	BONAIRE	17m; FT8
SA-006	PJ4NX	BONAIRE	15m; SSB
SA-011	9Z4Y	TRINIDAD	20m; SSB
SA-036	P43RR	ARUBA	20m; FT8
SA-099	PJ2SD	CURACAO	20m; FT8

** Thanks to the individuals who put the island/group and mode (which is very important) on their QSNs on their PacketCluster reports. The format we suggest is "Mode/IOTA#/Island or Group" (ex. CW/SA-036/Aruba).

EU-024. Gianpi, IK1TTD, will be active as ISO/IK1TTD from Sardinia Island during the RSGB IOTA Contest (July 30-31st). He states that his setup will include Icom 706 MK IIG with 100 watt output and Rybacov Vertical antenna. QSL via home callsign, direct and by the Bureau. Follow his operations on social media and on his Blog at: http://www.ik1ttd.it

EU-050. (Reminder) Franco, IZ5IUY, is now active as IL7/IZ5IUY from San Domino Island, Tremiti Archipelago, until July 21st. Activity will be on 80-2 meters using SSB and FT8/FT4. QSL via IZ5IUY, direct or by the Bureau (preferred).

EU-181. (Update) A Bulgarian-Greek Team will take part in the 2022 RSGB IOTA Contest (July 30-31st) from Sveti Ivan Island as LZ0KP. Operators mentioned are Christo/LZ3FN, Atanas/LZ3YY, Timur/LZ4AA, Todor/LZ4AW, Vesselin/LZ5VK, Thomas/SV2CLJ, Manos/SV9BMJ, Georgio/SV9DJO and George/SV9GPV. The team will be there between July 28th and August 1st. QSL via SV2CLJ direct.

NA-142. John, N9EAJ, will be active as N9EAJ/P from Okaloosa Island between July 24-31st. Activity will be on 40-10 meters using some CW, but mainly SSB. There will be some activity in the RSGB IOTA Contest (July 30-31st). QSL via N9EAJ direct or ClubLog's OQRS.

OC-191. (Reminder) Masa, JA0RQV, will be active as A35JP/p from Niua-toputapu Island, Tonga, between July 10-16th. Since there is no commercial power available on the island, his operation will be quite limited and in terms of output power as well as time. Activity will be on 80-6 meters using CW, SSB and FT8. Equipment is an IC-7300 w/100W into a Vertical antenna. QSL via LoTW and ClubLog, or direct w/2 USDs or by the Bureau via his home callsign JA0RQV. He states, "If you need paper QSL, please be patient to receive it because I will be able to issue paper QSL after I return to Japan in October 2022. Please do not send SASE to my home address." For more details and updates, visit his QRZ.com or his Blog page at: http://blog.goo.ne.jp/rqv

PLEASE NOTE: Since the Webmasters of the have decided NOT to post or dedicate a Web page to announce upcoming IOTA operations, PLEASE send your IOTA operations information to the OPDX,

and we will post it here in an upcoming bulletin.....

OPDX MAILING LIST (Just A Reminder). Details on how to subscribe and unsubscribe from the "OPDX Mailing List" are at the bottom of this bulletin. PLEASE pass the word around.... Thanks and 73 de Tedd KB8NW
PLEASE NOTE: OUTLOOK users PLEASE read below.

PROPAGATION FORECAST/REPORT (July 4-10th).....

July/04th AN	July/07th AN	July/09th HN
July/05th AN	July/08th HN	July/10th HN
July/06th AN		

SOLAR REFERENCE KEYS/INDEXES AND GEOMAGNETIC REFERENCE

NORMALITY	GEOMAG	K Values	Alpha
AN - Above Normal	Quiet	K=0-1	0-7
HN - High Normal	Unsettled	K=2	8-15
LN - Low Normal	Active	K=3	16-29
BN - Below Normal	Minor Storm	K=4	30-49
DIS - Disturbed	Major Storm	K=5	50-99
VRY DIS - Very Disturbed	Severe Storm	K=6-9	100-400

(Updated 01/26/2022) Meanwhile, check out the following Web sites for propagation:

* VOACAP predication Web page at: http://www.voacap.com/hf and http://www.voacap.com/prediction.html
* DX.QSL.NET Propagation page: https://dx.qsl.net/propagation
* SolarHam Web page: http://www.solarham.net
* Radio Propagation/Space Weather/Sunspot Cycle Information at: http://sunspotwatch.com
* Space Weather Prediction Center (SWPC) & National Oceanic and Atmospheric Administration (NOAA): https://www.swpc.noaa.gov https://www.swpc.noaa.gov/products/solar-cycle-progression
* News and Information About The Sun-Earth Environment: https://www.spaceweather.com
* Archive of ARRL Propagation Forecasts: http://www.arrl.org/w1aw-bulletins-archive-propagation
* Information and tutorials on propagation are at: http://k9la.us
* Graphic propagation tool by DR2W: http://www.dr2w.de/dx-propagation
* W4HM Daily HF/MF Radio Wave Propagation Forecast: https://groups.io/g/w4hmradiowavepropagationforecast
* WM7D's Solar Resource Page: https://www.wm7d.net/hamradio/solar

QSL INFO AND NEWS.....

QSL-INFO from Lothar, DL1SBF (www.qslinfo.eu) (July 3rd)
QSL-INFO from various sources provided by OPDX

4O/HA8FY via HA8FY	FK8HM via F5MFV	OL15SOTA via OK1CYC
4U1A via UA3DX	FP/KV1J via KV1J	OL3Y via OK1CRM & (L)
5P8VW via DJ8VW	GB13COL via G0VLF	OX3LX via OZ0J
5Z4BU via EA5GL	GX5DX via EB7DX	OZ/DL2JRM via DL2JRM
6D5C via XE1H (L)	HB0/OZ0J via OZ0J (O/L/e)	SV5/EA5IYL/P via EA5IYL
6Y5HM via EA5GL	HC5LM via HC5VF	SV9/SV2CLJ via SV2CLJ (d/L)
7Q5RU via R7AL (O/L)	HF800M via SP9PKS	SX44JM via SV1AHH (L/e)
7S7SOP via SM7RYR (L)	HG1Z via HA1XY	TG9AJR via M0URX
9N7AA via S57DX	HI3T via K7BV	TK/DM1DZ via DM1DZ
A71AM via M0OXO	HI9/IZ2KTE via IZ2KTE	TK/IW5ELA via IW5ELA
A92AA via EC6DX	IR1DCI/IX1 via IK1GPG	TM13COL via F5OGL & (L)
A92EE via EC6DX	J28JD via EA5GL	TM17FFF via F4GFE
AP2HA via JA1WIO	J43POTA via SV3SPD (L/e)	V31AE via EB7DX
C91CCY via K3IRV	JD1AJD via JA1ADT	VC7X via VE7JH
CU8/NU6F via NU6F & (L)	JW7QIA via LA7QIA	VG5DX via VA5DX
DK050BN via DK5PD	LA/PE1ITR via PE1ITR	VK0WN via VK7WN
DL/AD8FJ via E25KAE	LZ18NATO via LZ2VP	VR25XMT via VR2XMT
DL/G4OBK/P via G4OBK & (L)	LZ540DS via LZ1KCP	XM3A via VE3NOO

DL0GEO via DL2YAK LZ5G via LZ5ET XV9SB via WB4SAB (d)
EA6/EA3M via EA3M & (L) OH5/DG2SBL via DG2SBL Z66X via OH2BH & (L)
ED2FSF via EA2CYC (E-Mail) OJ0JR via OH3JR
F/I1UWF/P via I1UWF OJ0MR via OG2M

(e) eQSL only (d) direct only (B) Bureau only (*-B) DX's- Bureau
(O) OQRS only (C) ClubLog only (L) LoTW only (N) No QSL needed
(I) No IRC (P) PayPal (NB) No Bureau (n) no printed QSLs
(Q) QRZ.com only (E) E-Mail QSL only (P) Please send no QSL
(BA) Bureau Automatic
(**) QSL automatically via Bureau - do not send QSLs

LOGS ONLINE AT CLUBLOG.ORG THIS WEEK.....
https://secure.clublog.org/logsearch/3D2AJT
https://clublog.org/logsearch/7Q5RU
https://clublog.org/logsearch/DX0NE
https://secure.clublog.org/logsearch/VK0MQ
https://secure.clublog.org/logsearch/Z21RU
https://secure.clublog.org/logsearch/ZY8AM

TX5N DIRECT QSLS POSTED. QSL Manager Tim, M0URX, reports: TX5N QSL cards were taken to the post office on June 30th, 2022, please allow sufficient time for the card to reach you. Bureau cards will be shipped to the individual IARU bureaus in the next Bureau mailing which is scheduled for Summer 2022. https://www.m0urx.com/tx5n-direct-qsls-posted
TX5N QSL Preview - https://www.m0urx.com/tx5n-qsl-preview

U.S. POSTAGE GOING UP AGAIN (Reminder). On April 6th, the U.S. Postal Service (USPS) announced that they will increase "Postal Rate" starting July 10th. Look for:
"First Class" mail (1 oz.) to go from .58 to .60 cents
Letters (metered 1 oz.) to go from .53 to .57 cents
Letters additional ounce(s) to go from .20 to .24 cents
Domestic Postcards to go from .40 to .44 cents
"Outbound International Letters" (1 oz.) to go from $1.30 to $1.40
For more detail, see:
https://about.usps.com/newsroom/national-releases/2022/0406-usps-new-prices-for-2022.htm

QSLS RECEIVED VIA LoTW: 4F3OM, BA7NQ, BG5UER, C37AC, C6ACB, CX5ABM, D2UY, DL5ME, DQ5R, ER5GB, H32AT, HC6IM, HI8RCD, JA7BXS, JT1BV, NB6A/KH4, OX3LX, PA4PA, PU2VDV, SP7VTQ, T88SS, UI4P, UT1FG/MM, VA3IKE, VE3ELL, VE7VZ, VK6AL, VK6IR, VK9NT, XE1EE and XE3E

QSLS RECEIVED VIA MAIL: 4L1R, 6O1OO, 9M2SAF, 9M4CGR, 9N7AA, 9N7WE, CO8LY, DU1IVT, DY1T, GJ3YHU, JW0X, KL7/N7CW, KP4JRS, SU9VB, SV5AZP, SX200HXX, V31VP, VU4W, XV9K and ZB2CM

QSLS RECEIVED VIA THE BUREAU: NONE REPORTED THIS WEEK!!!
--- We would like to see more QSL Bureaus (such as AS/US/SA/AF.. etc) send in their info....

SN89, POLAND (Special Event). Special event callsign SN89LOT is now active on various HF bands since July 1st through August 31st. The station is to commemorate 89th anniversary of the flight over Atlantic Ocean by two Lithuanian pilots Steponas Darius and Stasys Girenas, who flew from New York in little airplane "Lituanica" to Kaunas on July 15th, 1933. Their flight ended with a catastrophy in a forest near the village of Pszczelnik (ca. 6 km from Myslibórz, West Pomeranian Voivodeship). There is a monument dedicated to those two brave airmen at the place where airplane fell. At this monument every year, a celebrations takes place with highest Polish and Lithuanian representatives. QSL via SP1PMY, direct or by the Bureau.

SV5, DODECANESE. Robert, OK2PYA, will be active as SV5/OK2PYA (and also for WWFF hunters -- SV5/OK2PYA/P from SVFF-0159) from Rhodes Island (EU-001) between July 6-13th. Activity will be on 40/30/20/17/15/10 meters using CW and SSB, with a KX2 rig and 7.1 meter vertical antenna. QSL via the Bureau, and he states, "I will QSL the first band/mode con-

tacts, only."

TM109, FRANCE (Special Event). Michel, F8GGZ, is now active as TM109TDF to celebrate the 109th edition of the "Tour de France". Expected activity will take place between the following dates: July 1-3th, July 7-9th, July 12-15th, July 20-24th. Operators mentioned are: André/F5AQX (EME), Serge/F5SN (FT8), Marie/F5UAY (SSB), Serge/F6HFI (SSB/CW), Jacky/F6CVY (EME), Laurent/F8FSC (SSB/CW/Digi), Daniel/F8GAF (SSB) and Michel (SSB/CW). QSL via the Bureau or direct to F8GGZ.

TX5, AUSTRAL ISLANDS (Update/Change). Haru, JA1XGI, will be active as TX5XG (not FO/W1XGI as first announced) from the Austral Islands between November 2-9th. Activity will be on 160-10 meters using CW, SSB, RTTY and FT8/FT4 (F/H). Suggested frequencies are:

CW - 1822.5, 3525, 7010, 10115, 14040, 21040 and 28040 kHz
SSB - 3790, 7090, 14170/14280, 21260 and 28450 kHz
RTTY - 7035, 10140, 14085, 21085 and 28085 kHz
FT8 - 1842, 3567, 7051, 10131, 14090, 21090 and 28090 kHz

Equipment is an Icom IC-7300 into a 5 Band Vertical(Mini Ninjya) and a 80/160m Vertical (Special Ninjya) with 25 radials. QSL via JA1XGI direct, by the Bureau (1 year wait), ClubLog's OQRS or LoTW (uploaded daily - no charge!). For more details, see the Web page at:

https://australvacation.amebaownd.com

VK0M, MACQUARIE ISLANDS (Update). Matt, VK5HZ, continues to be active as VK0MQ (not VK0HZ as first reported on QRZ.com) from Macquarie Island (AN-005, WW Loc. QD95lm). More details were reported on QRZ.com as of June 25th. Matt will be on the island through to around October. He states [edited], "Please note this is not a DXpedition, I operate in my limited rec time which is shared with other hobbies and relaxing. I also spend time completing work in the field for upto a week or more at a time. Enjoying working FT8 at the moment. My goto frequencies for Fox/Hound mode are:

80m 3567 kHz	17m 18095 kHz
40m 7056 kHz	15m 21091 kHz
30m 10131 kHz	12m 24911 kHz
20m 14083 kHz	10m 28091 kHz

Note you'll need to be in special mode > Hound to work me in this way. This is the best way to give the most OP's the chance to work me. Thanks to Grant, VK5GR, for his advice in operating the fox mode FT8.

My rigs are IC-7100 (main) and IC-7000, into a Moonraker 80B whip. This antenna is Australian made, designed for ocean going vessels and performs very well here on Macquarie Island where we regularly experience gale force winds. Antenna options are limited due to high winds and chance of bird strike, Macquarie island is home to 3.5 million seabirds!

Currently uploading to ClubLog and will upload to LoTW at the end of the month. QSL arrangements TBC."

Matt does have a Twitter account and does announce his activity at:

https://twitter.com/vk0mq

PLEASE NOTE: Matt has mentioned on Twitter (June 25th) that a pirate station has been operating just along the side of him in the F/H mode. He states, "I'm very disappointed."

XV9, VIETNAM. Gregory, F4BPO, is active as XV9BPO from Ho Chi Minh, where he has been living since April 2019. Recent activity has been on 30/20/17/15/10 meters using mostly FT8/FT4, with some SSB and CW. His equipment includes a FTDX-5000 (200w), FTDX-3000 (100w) and a SunSDR2 DX into a Baby Loop by Ciro Mazzoni (40-10m) and DX Commander (40-10m). He does have two amplifiers: a Yaesu VL-1000 and Expert 1.3K-FA. QSL via ClubLog, eQSL or LoTW. See his Blog at: https://blog.f4bpo.com

XZ, MYANMAR. Akio, JE2QIZ, is once again active as XZ2B from Yangon (WW Loc. NK86bu), Myanmar. The length of his stay is unknown at this time. It seems that he has been on the air as of June 25th. Most of his activity has been on 15/10/6 meters CW. He states on QRZ.com that he is permitted to use the following frequencies: 21000-21030, 24890-24910, 28000-28030 and 50080-50100 MHz. QSL via JH3SIF. He also states, "All of QSOs are logged by paper."

ZL90, NEW ZEALAND (Special Event). Members of the NZART Southland Branch 37 is celebrating their 90th anniversary and will be active as ZL90GQ during the month of July 2022. A special award is available. See QRZ.com for details. QSL via direct (address on QRZ.com).

ZY8, BRAZIL. Members of the Parana State Amateur Radio Association (ARPA) (http://www.arpapr.org.br) are now active as ZY8AM from Amazon rainforest (Amazon State, Brazil; WW Loc. FI61hf) until July 12th. Operators mentioned are Nei/PY5AKW, Marins/PY5AMF, Vigand/PY5QW, Marcelo/PY5ZD, Casimiro/PY5ZHP, Amaral/PW8BR and Teixeira/PW8GTB. Support team includes Herton/PP8HOL, Junior/PP8JR, Gilmar/PT8GT, Jackson/PY1PDF and Edson/PY4WAS. Special thanks to PP8HOL for hosting the operators in his farm during the expedition. Activity will be on 160-6 meters using CW, SSB and FT8. QSL via PY5ZD direct (2 USDs + SAE, No IRC) or LoTW. NO Bureau.

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UNSUBSCRIBE TO THE OPDX MAILING LIST:
kb8nw@hotmail.com?subject=unsubscribe

OPDX WORLD-WIDE WEB HOME PAGE (provided by John, K8YSE):

http://www.papays.com/opdx.html

NOW ON TWITTER: https://twitter.com/kb8nw_opdx

ALSO VISIT THE NORTHERN OHIO DX ASSOCIATION'S WEB PAGES AT:

http://www.nodxa.org/
http://www.facebook.com/NorthernOhioDxAssociation

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